

Title (en)  
LEANING VEHICLE AND VEHICLE LEANING UNIT

Title (de)  
NEIGEFahrzeug UND NEIGEEINHEIT FÜR FAHRZEUG

Title (fr)  
VÉHICULE À INCLINAISON ET UNITÉ D'INCLINAISON POUR VÉHICULE

Publication  
**EP 3753830 A1 20201223 (EN)**

Application  
**EP 20179307 A 20200610**

Priority  
JP 2019113273 A 20190619

Abstract (en)  
A leaning vehicle (1) includes a base member (20), an upper arm (21), a lower arm (22), a first support member (23), a second support member (24), a first wheel (6L), a second wheel (6R), and a steering operation member (8). The upper arm, the lower arm, the first support member, the second support member constitute a parallel link mechanism (70). The first wheel is movable integrally with the first support member in a turning direction of the base member. The second wheel is movable integrally with the second support member in the turning direction of the base member. According to turning of the base member by operating the steering operation member, all of the upper arm, the lower arm, the first support member, the second support member, the first wheel, and the second wheel turn around a turning center of the base member.

IPC 8 full level  
**B62K 5/10** (2013.01); **B62D 9/02** (2006.01); **B62K 5/027** (2013.01); **B62K 5/05** (2013.01); **B62K 5/08** (2006.01); **B62K 25/08** (2006.01); **B62L 1/00** (2006.01); **B62K 5/00** (2013.01)

CPC (source: EP US)  
**B60G 21/007** (2013.01 - US); **B62K 5/027** (2013.01 - EP); **B62K 5/05** (2013.01 - EP US); **B62K 5/08** (2013.01 - EP); **B62K 5/10** (2013.01 - EP US); **B62K 25/08** (2013.01 - EP); **B62L 1/005** (2013.01 - EP); **B62D 9/02** (2013.01 - EP); **B62K 2005/001** (2013.01 - EP)

Citation (applicant)  
JP 6170086 B2 20170726

Citation (search report)  
• [X1] EP 2077223 A1 20090708 - GUERRA NAVAS ANTONIO MANUEL [ES]  
• [X1] FR 3040363 A1 20170303 - ADDBIKE [FR], et al  
• [XAI] FR 3047722 A1 20170818 - EASY DESIGN TECH [FR]  
• [XAI] KR 20110115287 A 20111021 - JIN SUNG HYUN [KR]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3753830 A1 20201223**; JP 2020203629 A 20201224; JP 7253987 B2 20230407; US 11511821 B2 20221129; US 2020398926 A1 20201224

DOCDB simple family (application)  
**EP 20179307 A 20200610**; JP 2019113273 A 20190619; US 202016904187 A 20200617